

## SWP Water Quality Summary

September 30 to October 6, 2009

**Electrical Conductivity:** Concentrations decreased at Harvey O. Banks Pumping Plant (HBP) and Check 41, but increased at Devil Canyon, and Vallecitos from September 30 to October 6, 2009. Concentrations ranged from 258  $\mu\text{S}/\text{cm}$  to 574  $\mu\text{S}/\text{cm}$  (155 mg/L to 344 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733  $\mu\text{S}/\text{cm}$ ). As of October 6, 2009, daily average concentrations varied at all the locations, with the lowest concentration of 258  $\mu\text{S}/\text{cm}$  occurring at Barker Slough, while the highest concentration of 574  $\mu\text{S}/\text{cm}$  occurred at Vallecitos. EC concentrations at HBP decreased slightly from 528  $\mu\text{S}/\text{cm}$  to 513  $\mu\text{S}/\text{cm}$  as of October 6, 2009.

**Bromide:** Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Bromide concentrations ranged from 0.08 mg/L to 0.30 mg/L. As of October 6, 2009, Barker Slough had the lowest concentration of 0.08 mg/L, while the highest concentration of 0.30 mg/L occurred at Vallecitos.

**Turbidity:** As of October 6, 2009, turbidity levels decreased at HBP, Check 41, and Vallecitos, but increased slightly at Devil Canyon. Turbidity levels ranged from 1.9 NTU to 58.5 NTU at the end of the week. On October 6, 2009, the lowest level of 1.9 NTU occurred at Devil Canyon while the highest level of 58.5 NTU occurred at Barker Slough. As of October 6, 2009, the levels at HBP decreased from 7.2 NTU to 3.8 NTU.

**Dissolved Organic Carbon (DOC):** Concentrations increased at all locations from September 30 to October 6, 2009. DOC concentrations increased from 2.4 mg/L to 2.5 mg/L at HBP, from 2.1 mg/L to 2.2 mg/L at Check 13 and from 1.9 mg/L to 2.9 mg/L at Edmonston, respectively.

**Taste and Odor Compounds:** As of October 5, 2009, MIB and geosmin levels ranged from ND to 47 ng/L at Check 66, Diamond Valley Lake, Lake Mathews, Lake Perris and Lake Skinner.

Ground water pump-ins to the California Aqueduct during September 30 to October 6, 2009 totaled 6,080 AF. The break down of the total volume was:

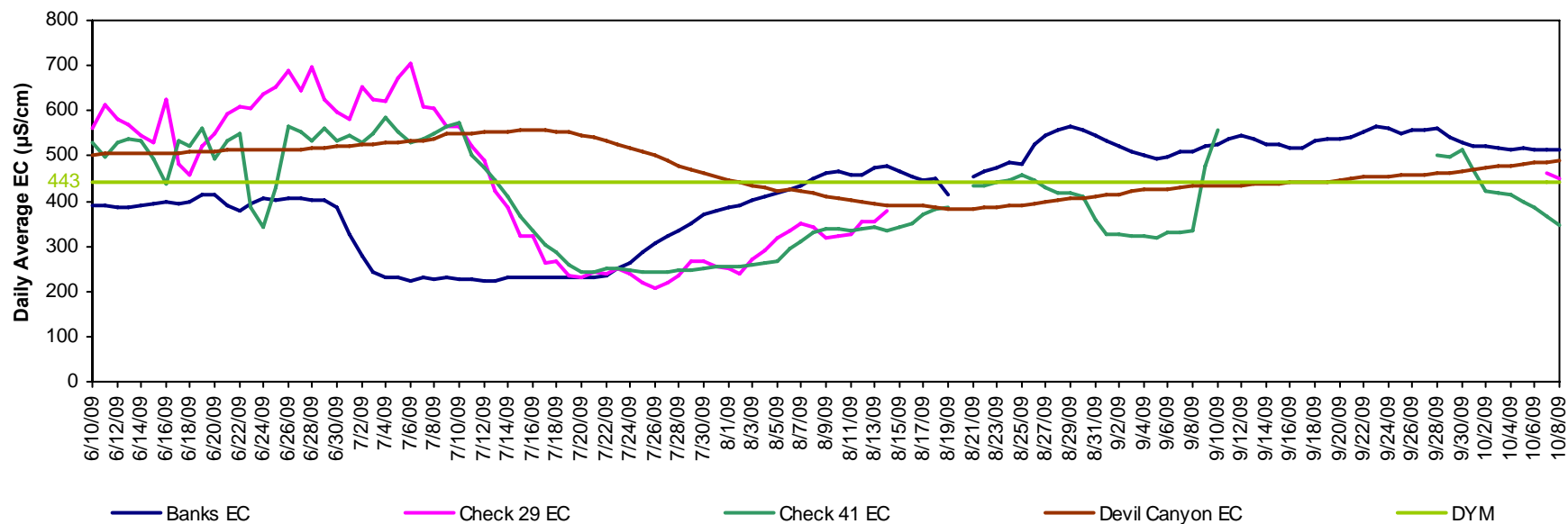
- Arvin Edison Water Storage District = 4,192 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 538 AF
- Semitropic Water Storage District = 6 AF.
- Kern County Water Agency (who operate the Cross Valley Canal) = 1,251 AF
- Wheeler Ridge Water Storage District (WRM) = 93
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*As of September 30, no data were unavailable for Checks 29 because of malfunctioning instruments.*

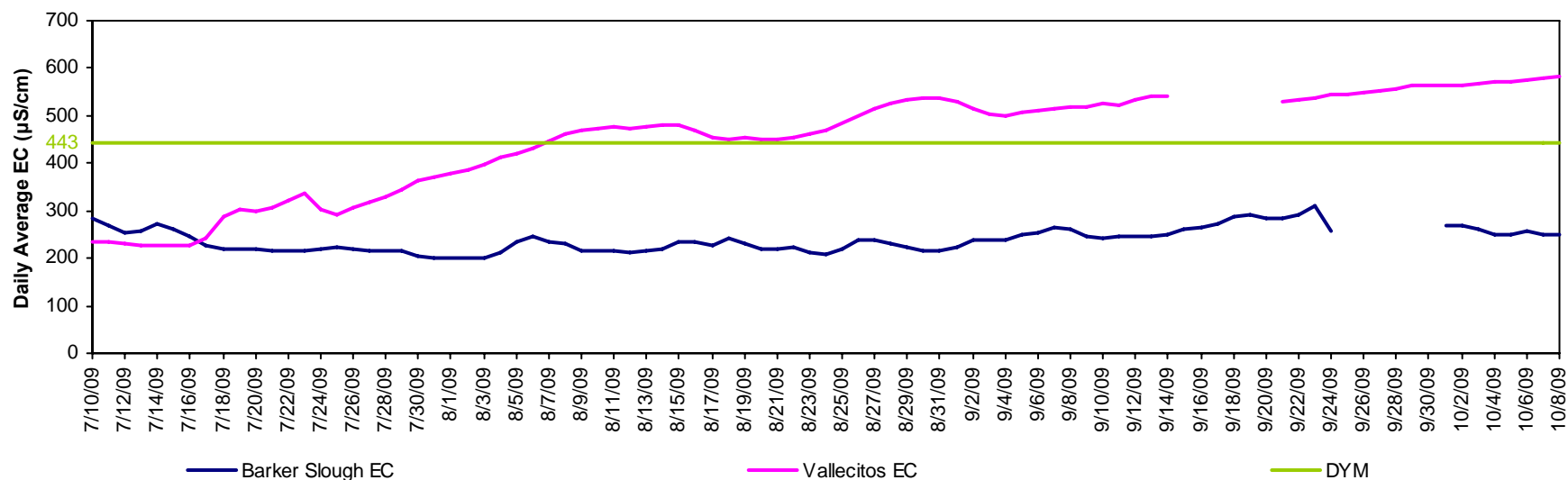
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: [http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation\\_map.cfm](http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm), and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmondston's daily AF pumping data, visit: [www.water.ca.gov](http://www.water.ca.gov). Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

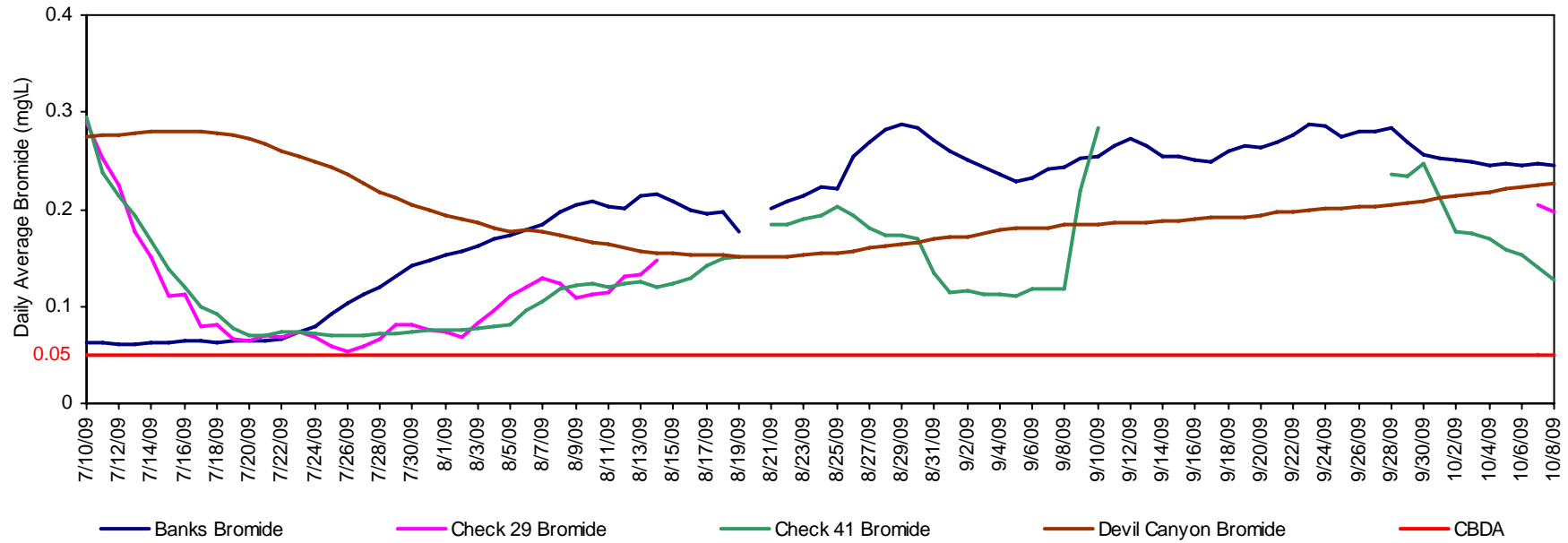
## California Aqueduct - Electrical Conductivity



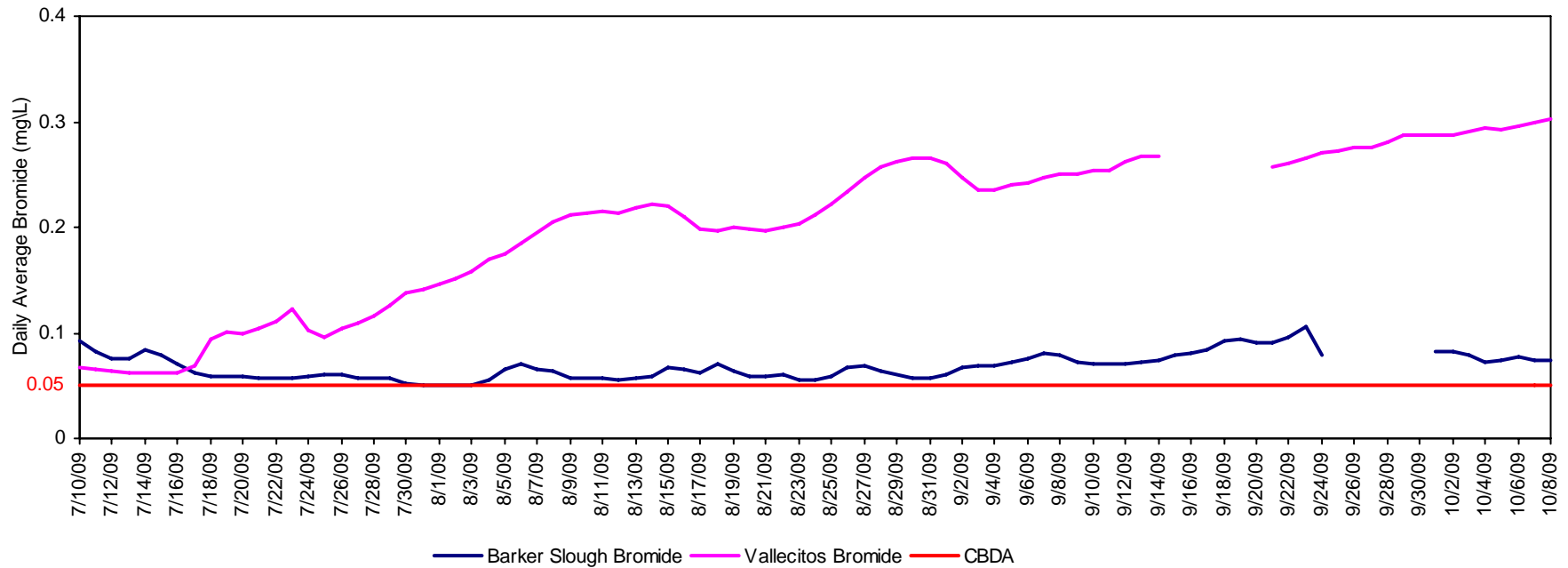
## North and South Bay Aqueduct - Electrical Conductivity



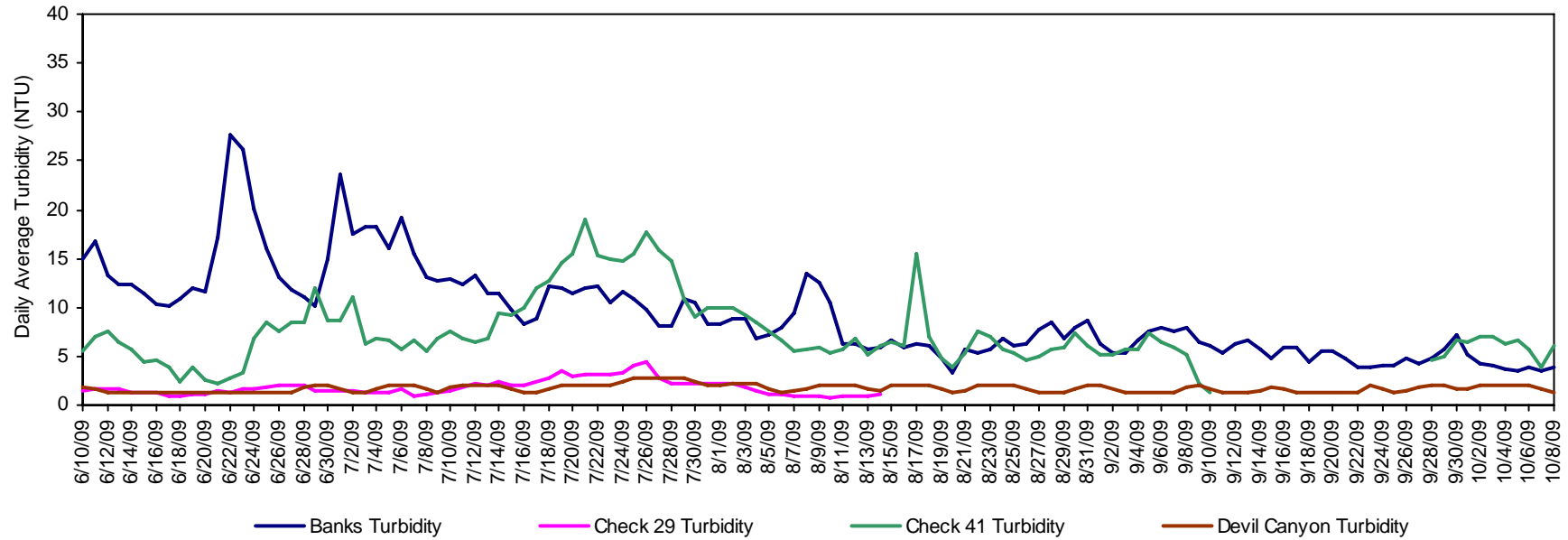
California Aqueduct - Calculated Bromide



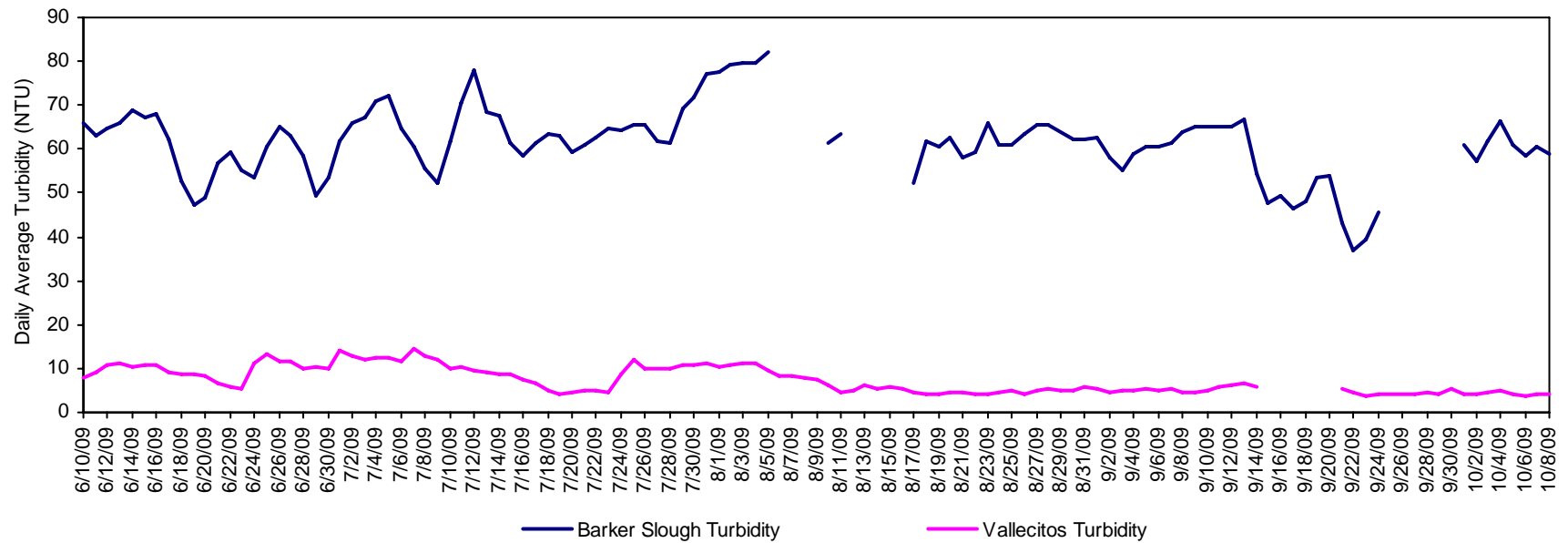
North and South Bay Aqueduct - Calculated Bromide



### California Aqueduct - Turbidity



### North and South Bay Aqueduct - Turbidity



# California Aqueduct Calculated Dissolved Organic Carbon

